

SPLIT TYPE ROOM AIR CONDITIONER OPERATION MANUAL



HSU-09RK03/R2(SDB)

HSU-12RK03/R2(SDB)

HSU-09RS03/R2(SDB)

HSU-12RS03/R2(SDB)

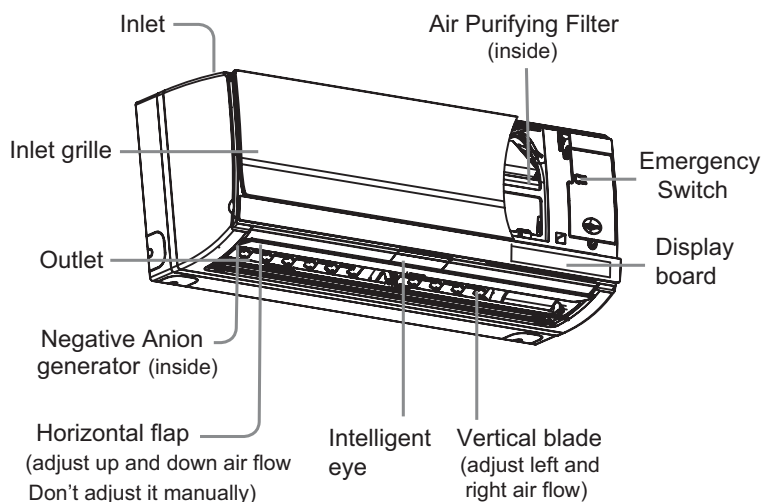
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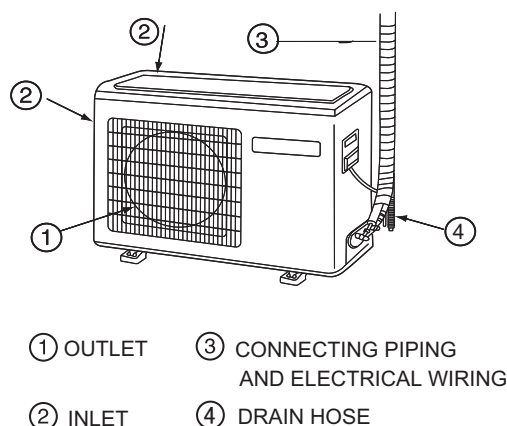
- Please read this operation manual before using the air conditioner.
Keep this operation manual for future reference.

Parts and Functions

Indoor Unit

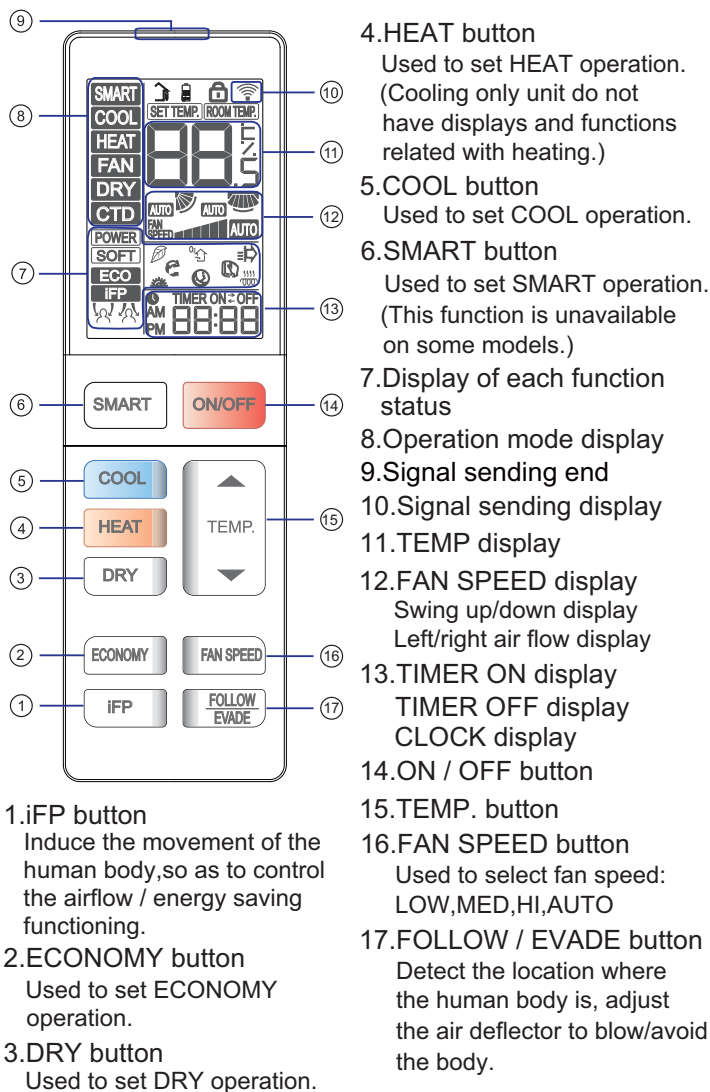


Outdoor Unit



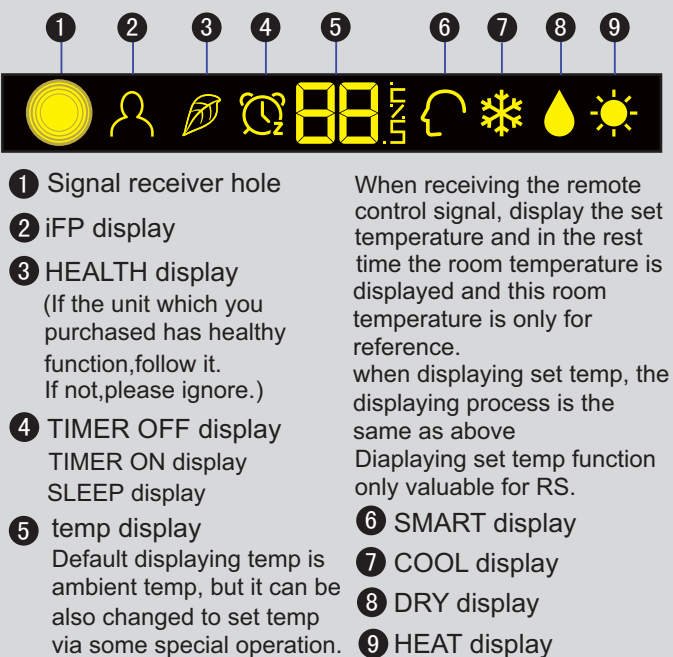
Remote controller

Outer side of the controller



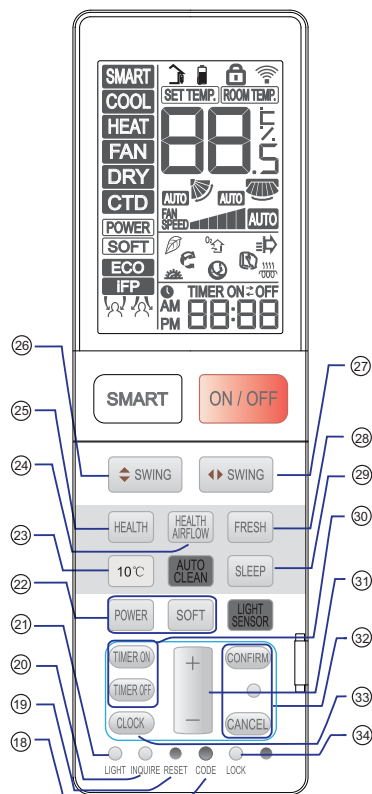
Please be subject to the actual produce purchased, the above picture is just from your reference.

Display board



Operation

Inner side of the controller



18.CODE button

Used to select CODE A or B with a press, A or B will be displayed on LCD. Please select A without special explanation.

19.RESET button

When the remote controller appears abnormal, use a sharp pointed article to press this button to reset the controller normal.

20.INQUIRE button

Inquire the external environmental temperature and the operating power of the machine. (e.g. when the panel display "01", the

operating power is 100W; when the panel display "02", the operating power is 200W, and so forth)

21.LIGHT button

Control the lightening and extinguishing of the indoor LED display board. the manual of how to display set temp:

Press LIGHT button continuously for ten times, the display temp on display panel can be changed from ambient temp to set temp. Set temp function only valuable for RS.

22.POWER / SOFT button

23.10°C

special heating set function: 10 degree heating maintaining (valuable for RS)

24.HEALTH AIRFLOW button

25.HEALTH button

26.SWING UP/DOWN button

27.SWING LEFT/RIGHT button

28.FRESH button

29.SLEEP button

30.TIMER ON / OFF button

31.HOUR button

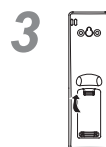
32.CANCEL/CONFIRM button

Used to confirm timer and clock settings.

33.CLOCK button

34.LOCK button

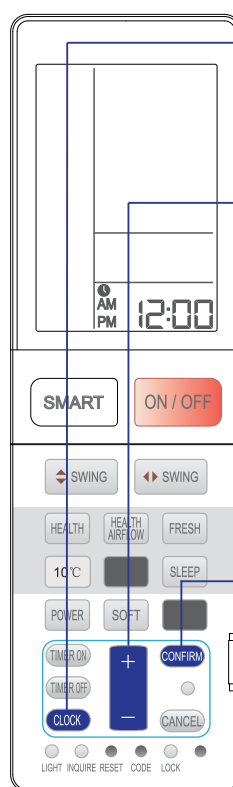
If pressed, the other buttons will be disabled. Press it once again, lock will be cancelled.



2 Load the batteries as illustrated. 2 R-03 batteries, resetting key(cylinder); Be sure that the loading is in line with the "+" and "-" ;

3 Load the battery, then put on the cover again.

Clock set



1 Press CLOCK button,

"AM" or "PM" flashes.

2 Press "+" or "-" to set correct time.



Each press will increase or decrease 1min. If the button is kept pressed, time will change quickly.

3 Confirm time.



After time setting is confirmed, press CONFIRM, "AM" and "PM" stop flashing, while clock starts working.

Note:

The distance between the signal transmission head and the receiver hole should be within 7m without any obstacle as well. When electronic-started type fluorescent lamp or change-over wireless telephone is installed in the type fluorescent lamp or room, the receiver is apt to be disturbed in receiving the signals, so the distance to the indoor unit should be shorter. Full display or unclear display during operation indicates the batteries have been used up. Please change batteries. If the remote controller can't run normally during operation, please remove the batteries and reload several minutes later.

Hint:

Remove the batteries in case unit won't be in usage for a long period. If there are any display after taking-out, just need to press reset key.

1



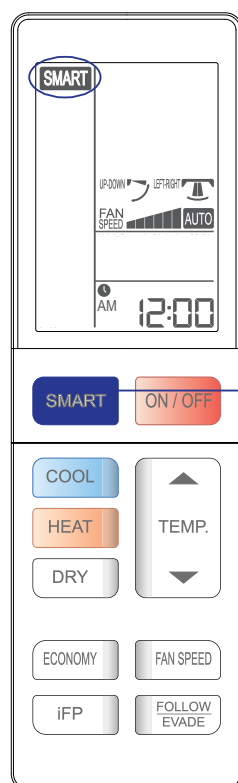
Remove the battery cover;

AUTO CLEAN LIGHT SENSOR This function unavailable on this models.

Loading of the battery

Operation

SMART Operation



(This function is unavailable on some models)

One key can give you a comfortable room!

The air conditioning unit can judge the indoor temperature and humidity, and make the adjustment accordingly.

SMART SMART start

Press ON/OFF button, unit starts.

Press SMART button“ **SMART** ” is displayed on the remote controller and “” is displayed on the display board, unit will run in SMART mode.

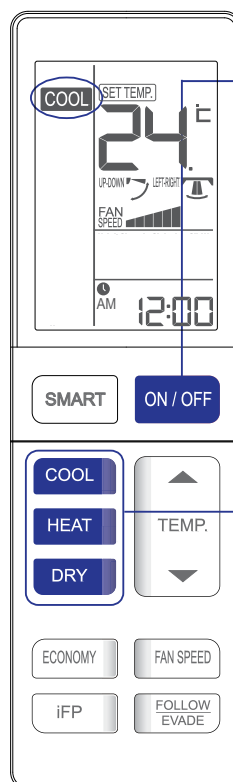


- SMART FRESH
- SMART Defrost
- SMART FAN SPEED
- SMART FAN HEALTH
- SMART DRY
- SMART SOFT
- SMART Control temperature

SMART or **ON / OFF** SMART stops

- Under the cooling, heating and dehumidifying mode, press the smart key to enter the smart function.
- Under the smart running mode, when the air conditioning is running, it will automatically select cooling, heating, dehumidifying or blowing mode as per the setting temperature.
- When the smart function is running, press the “cooling” “heating” or “dehumidifying” key to switch to the other mode, you will exit from the smart function.

COOL, HEAT and DRY Operation



1 **ON / OFF** Unit start.

2 Select operation mode.



Press COOL button“ **COOL** ” is displayed on the remote controller and “” is displayed on the display board, unit will run in COOL mode.



Press HEAT button“ **HEAT** ” is displayed on the remote controller and “” is displayed on the display board, unit will run in HEAT mode.



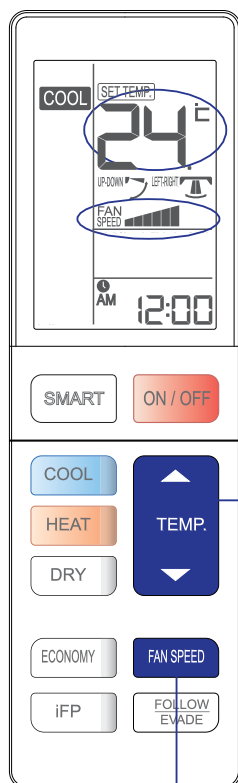
Press DRY button“ **DRY** ” is displayed on the remote controller and “” is displayed on the display board, unit will run in DRY mode.



1. In DRY mode, when room temperature becomes lower than temp.setting+2°C, unit will run intermittently at LOW speed regardless of FAN setting.
2. Remote controller can memorize each operation status. When starting it next time, just press ON/OFF button and unit will run in previous status.

Operation

Select TEMP.setting, FAN Operation

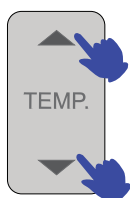


1 Press TEMP.setting

Press TEMP button.

△ Every time the button is pressed, temp. setting increases 0.5°C.

▽ Every time the button is pressed, temp. setting decreases 0.5°C.

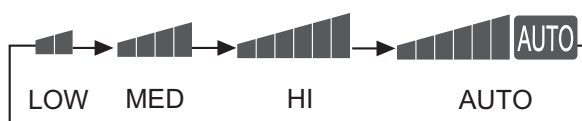


Unit will start running to reach the temp.setting on LCD.

2 FAN Operation

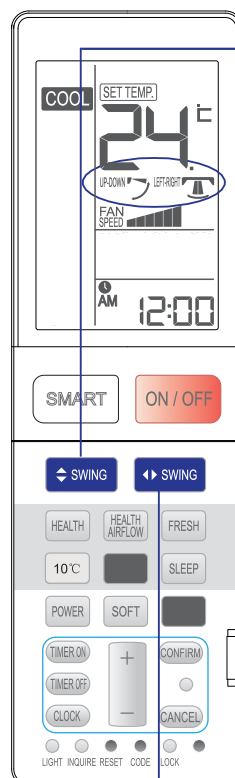


Press FAN SPEED button. For each press, fan speed changes as follows:



Unit will run at selected fan speed.

SWING Operation

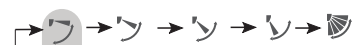


1 Up and down air flow direction



For each press of “SWING” button, air flow direction on remote controller displays as follows according to different operation modes:

COOL/DRY:



HEAT:



SMART:



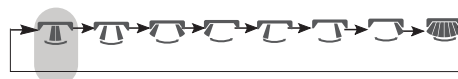
Initial state

2 Left and right air flow direction



For each press of “SWING” button, remote controller displays as follows:

remote controller:

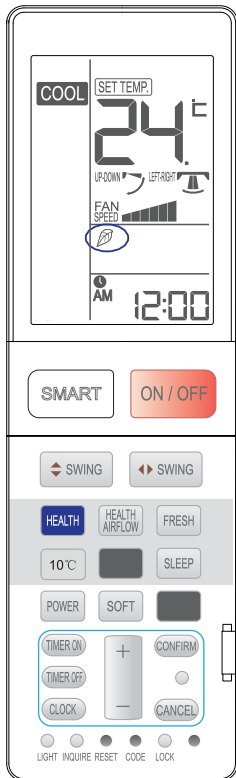


Initial state

- When humidity is high, condensate water might occur at air outlet if all vertical louvers are adjusted to left or right.
- It is advisable not to keep horizontal flap at downward position for a long time in COOL or DRY mode, otherwise, condensate water might occur.
- As cold air flows downward in COOL mode, adjusting air flow horizontally will be much more helpful for a better air circulation.

Operation

HEALTH Operation



The anion generator in the air conditioner can generate a lot of anion effectively balance the quantity of position and anion in the air and also to kill bacteria and speed up the dust sediment in the room and finally clean the air in the room.

Press HEALTH button

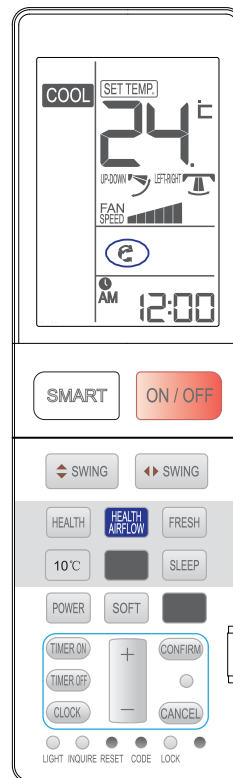
For each press,  is displayed
Air conditioner starts health anion function operation.



Press HEALTH button for twice press,  disappears, the operation stops.

When indoor fan motor is running, it has healthy process function. (It's available under any mode)
When the fan in the indoor unit does not work, the health lamp lights up, but the anion generator does not release anion.

HEALTH AIRFLOW Operation



The setting of health airflow function

- 1). Press the button of health airflow,  appears on the display. Avoid the strong airflow blows direct to the body.
- 2). Press the button of health airflow again,  appears on the display. Avoid the strong airflow blows direct to the body.

The cancel of the health airflow function

Press the button of health airflow again, both the inlet and outlet grills of the air conditioner are opened, and the unit goes on working under the condition before the setting of health airflow function. After stopping, the outlet grille will close automatically.

Notice:

Cannot pull direct the outlet grille by hand.
Otherwise, the grille will run incorrectly. If the grille is not run correctly, stop for a minute and then start, adjusting by remote controller.

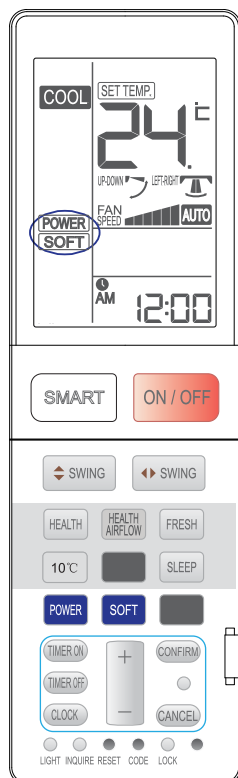
- Remote controller can memorize each operation status. when starting it next time, just press ON/OFF button and unit will run in previous status.

Note:

1. After setting the health airflow function, the position of inlet and outlet grills is fixed.
2. In heating, it is better to select the  mode.
3. In cooling, it is better to select the  mode.
4. In cooling and dry, using the air conditioner for a long time under the high air humidity, a phenomenon falling drips of water occurs at the outlet grille.
5. Select the appropriate fan direction according to the actual conditions.

Operation

POWER/SOFT Operation



POWER

POWER Operation

When you need rapid cooling, you can use this function.

For each press, **POWER** is displayed Air conditioner starts POWER function operation.

In COOL mode, fan speed automatically takes high speed of AUTO fan mode.

Press POWER button again, **POWER** disappears, the operation stops.

SOFT

SOFT Operation

You can use this function when silence is needed for rest or reading.

For each press, **SOFT** is displayed Air conditioner starts POWER function operation.

In SOFT operation mode, fan speed automatically takes low speed of AUTO fan mode.

Press SOFT button again, **SOFT** disappears, the operation stops.

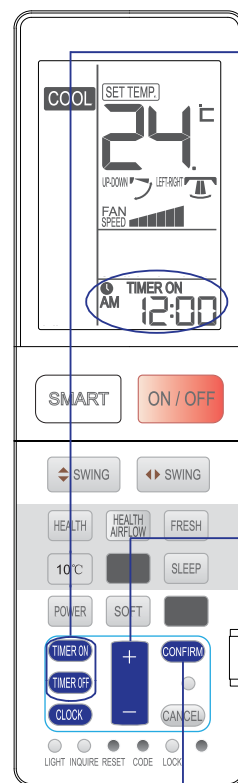
Hints:

During POWER operation, in rapid COOL mode, the room will show inhomogeneous temperature distribution.

Long period SOFT operation will cause effect of not too cool or not too warm.

TIMER Operation

Set Clock correctly before starting Timer operation. You can let unit start or stop automatically a following times: Before you wake up in the morning, or get back from outside or after you fall asleep at night.



1 Select your desired operation mode.

TIMER ON

Select your desired
TIMER ON.

Remote controller: "TIMER ON" will flash.

TIMER OFF

Select your desired
TIMER OFF.

Remote controller: "TIMER OFF" will flash.

2 Time setting.



Every time the button is pressed, time setting increases or

decreases 1 min, if kept depressed, it will increase rapidly. It can be adjusted within 24 hours.

3 Confirming your setting.

CONFIRM

After setting correct time, press CONFIRM button press CONFIRM button to confirm "ON" or "OFF" on the remote controller stops flashing.

TIMER ON → OFF / TIMER ON ← OFF

press TIMER ON button to confirm, follow the same procedure in "Time setting for TIMER OFF"

Remote controller: **TIMER ON → OFF**

press TIMER OFF button to confirm, follow the same procedure in "Time setting for TIMER ON"

Remote controller: **TIMER ON ← OFF**

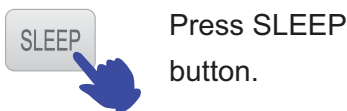
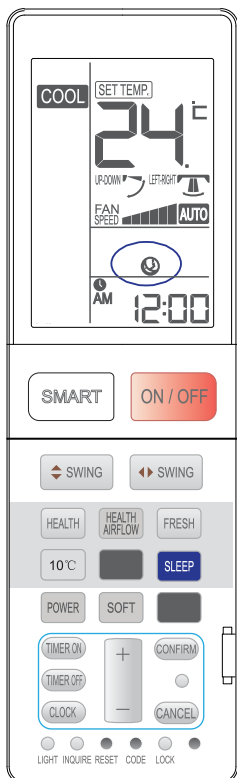
To cancel TIMER mode

Just press CANCEL button several times until TIMER mode disappears.

Operation

Comfortable SLEEP

Before going to bed, you can simply press the SLEEP button and unit will operate in SLEEP mode and bring you a sound sleep.



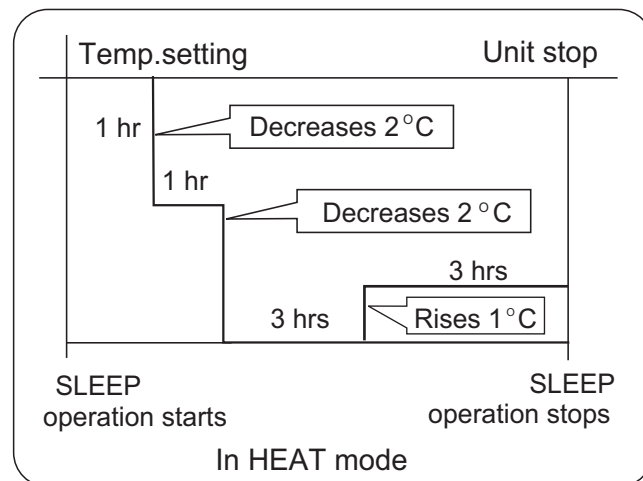
Press SLEEP button.

Operation Mode

1. In COOL, DRY mode

1 hours after SLEEP mode starts, temp. will become 1°C higher than temp. setting. After another 1 hours, temp. rises by 1°C further. The unit will run for further 6 hours then stops. Temp. is higher than temp. setting so that room temperature won't be too low for your sleep.

3 hours then stops. Temp. is lower than temp. setting so that room temperature won't be too high for your sleep.



3. In SMART mode

The unit operates in corresponding sleep mode, which adapted to the automatically selected operation mode.

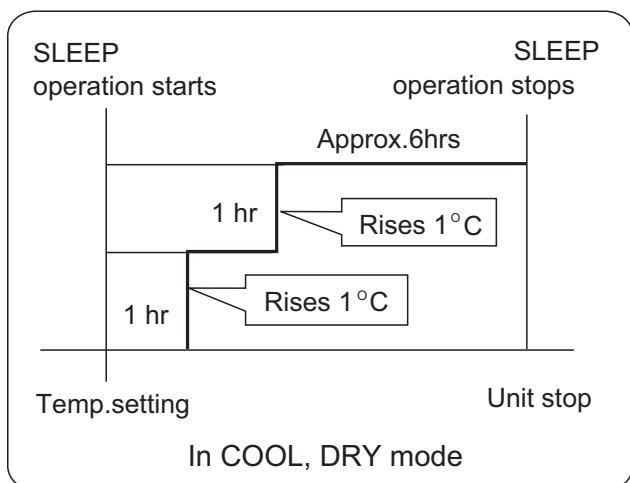
4. When quiet sleeping function is set to 8 hours the quiet sleeping time can not be adjusted. When TIMER function is set, the quiet sleeping function can't be set up. After the sleeping function is set up, if user resets TIMER function, the sleeping function will be cancelled; the machine will be in the state of timing-on, if the two modes are set up at the same time, either of their operation time is ended first, the unit will stop automatically, and the other mode will be cancelled.

Power Failure Resume Function

If the unit is started for the first time, the compressor will not start running unless 3 minutes have elapsed. When the power resumes after power failure, the unit will run automatically, and 3 minutes later the compressor starts running.

Note to the power failure resume:

press the sleep button ten times in five seconds and enter function after hearing four sounds. And press the sleep button ten times within five seconds and leave this function after hearing two sounds.



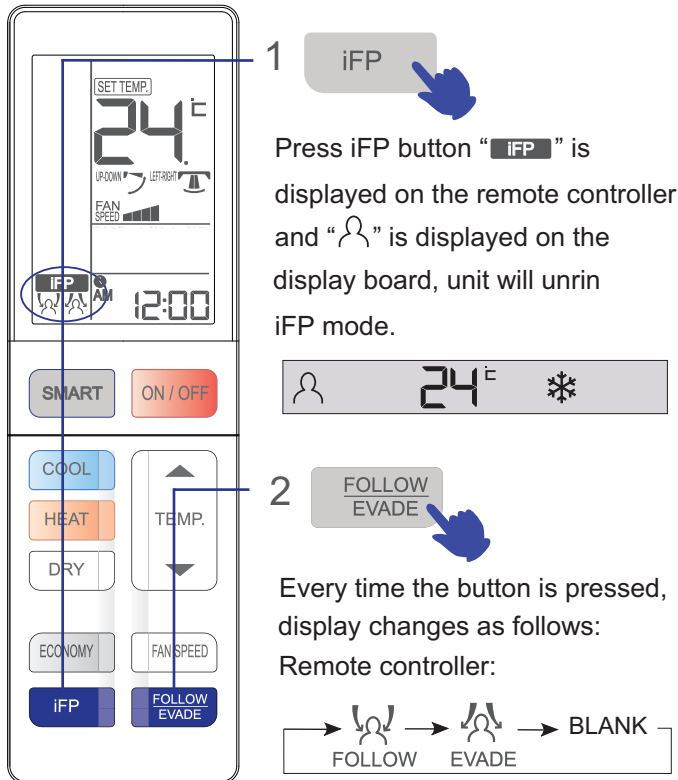
2. In HEAT mode

1 hours after SLEEP mode starts, temp will become 2°C lower than temp. setting. After another 1 hours, temp decrease by 2°C further. After more another 3 hours, temp. rises by 1°C further. The unit will run for further

Operation

iFP Operation

The movement of people in the room can be sensed, which can improve the air adjustment efficiency.



FOLLOW Detect the location of the human body, adjust the wind swing, blow the location where the body is.

EVADE Detect the location of the human body, adjust the wind swing, avoid the location where the body is.

• When several people are located at different positions, or one person is moving in different areas, no matter whether the wind is blowing or not, the wind will automatically swing and blow to multi areas, the wind direction adjustment will be delayed, it cannot be deflected suddenly while detecting.

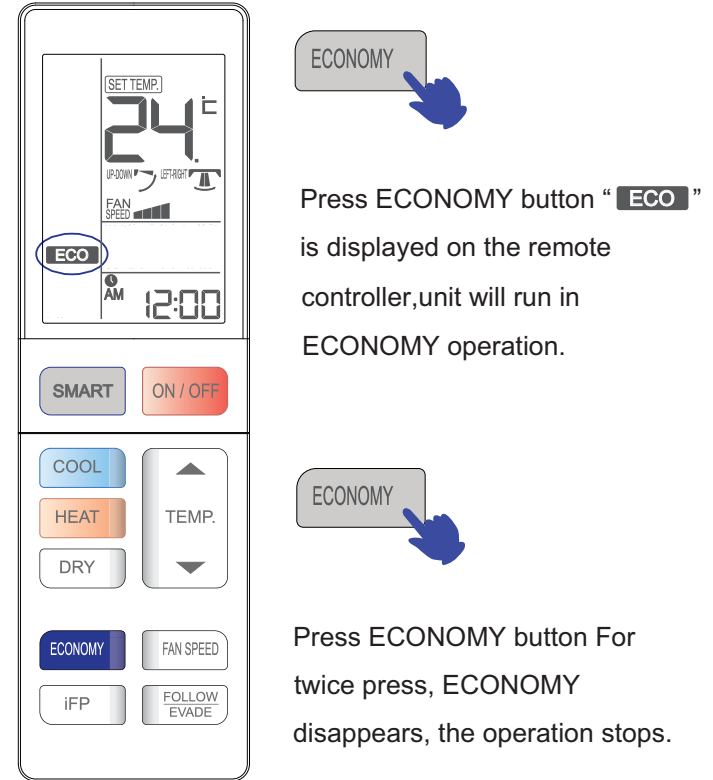
• In iFP, FOLLOW and EVADE operation mode, Press “SWING” button, the unit will not operate “HEALTH AIRFLOW” mode, Press “HEALTH AIRFLOW” button, the operation stops.

The human body sensor is used to detect if the infrared ray is changing. It may be inaccurate in the following conditions:

- The human body keeps still (when reading or watching TV etc.) or is blocked by barriers like screen, cabinet or glass.
- The person is wearing very thick clothes or the person is lying or sleeping.
- A pet is moving frequently, or the wind is blowing the curtains, or something in the room is swinging frequently.

ECO Operation

Automatic adjusting with the environmental temperature, running with power saving.

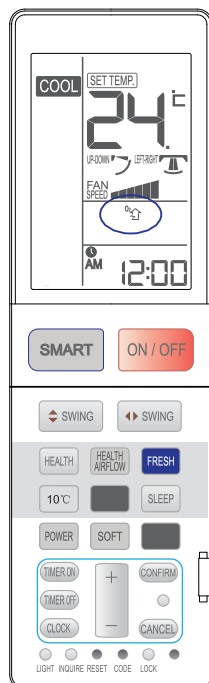


- The power saving function only works under the cooling, heating or dehumidifying mode, after the power saving function is set, press the sharp, mute, sleep, or smart key to exit the power saving function.
- After the power saving is set, the host machine will automatically adjust the setting temperature, and automatically control the switch of the compressor, which may be inconsistent with the user's setting.
- The power saving function is more effective after the air conditioning has been running for a long time (more than 2 hours)

Operation

FRESH Operation

Exhaust the vitiated air from the room, and inhale fresh air.
(This function is unavailable on some models.)



Press FRESH button “” is displayed on the remote controller and “” is displayed on the display board, and the change-for-fresh-air function operation begins.



For twice press, the display “” disappears and the change-for-fresh-air function operation is canceled.

Note:

If the unit didn't install change-for-fresh-air electrical engine, change-for-fresh-air function is not available.

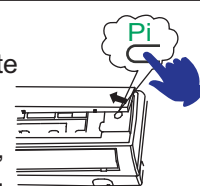
About change-for-fresh-air function

- After the change-for-fresh-air function is initiated, the outside air can enter the indoors through the change-fresh-air tube thereby keeping the indoor air fresh.
- Setting the change-for-fresh-air function under the shutdown status, press the fresh air key and the remote controller displays the on status of air flow, low wind, and change-for-fresh-air functions, and now can set the timing open, timing close and time control switch.
- The dual fresh air has a memory function, which can be cancelled by pressing the key one time.
- Under the smart mode, after the machine has been running for a while, the dual fresh air function will be started automatically, it will be automatically stopped after continuously running for a while.

Emergency operation and test operation

Emergency Operation:

- Use this operation only when the remote controller is defective or lost.
- When the emergency operation switch is pressed, the "Pi" sound is heard once, which means the start of this operation.
- In this operation, the system automatically selects the operation modes, cooling or fan or heat, according to the room temperature.



Room temperature	Operation mode	Designated temperature	Timer mode	Air flow
ABOVE 23°C	COOLING	26 °C	NO	AUTOMATIC
BELOW 23°C	HEAT	23 °C	NO	AUTOMATIC

(cooling only unit) Room temperature	Operation mode	Designated temperature	Timer mode	Air flow
BELOW 23 °C	FAN	26 °C	NO	AUTOMATIC

- It is not possible to operate in dry mode.

Test operation:

Test operation switch is the same as emergency switch.

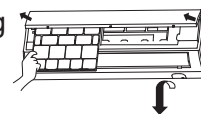
- Use this switch in the test operation when the room temperature is below 16 °C, do not use it in the normal operation.
- Continue to press the test operation switch for more than 5 seconds. After you hear the "Pi" sound twice, release your finger from the switch: the cooling operation starts with the air flow speed "Hi".



For smart Use of The Air Conditioner

Air Filter cleaning

- 1 Open the inlet grille by pulling it upward



- 2 Remove the filter

Push up the filter's center tab slightly until it is released from the stopper, and remove the filter downward.

- 3 Clean the filter

Use a vacuum cleaner to remove dust, or wash the filter with water. After washing, dry the filter completely in the shade.

- 4 Attach the filter

Attach the filter correctly so that the "FRONT" indication is facing to the front. Make sure that the filter is completely fixed behind the stopper. If the right and left filters are not attached correctly, that may cause defects.



- 5 Close the inlet grille

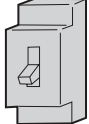
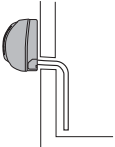
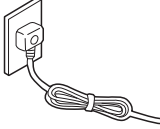
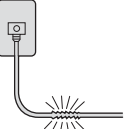
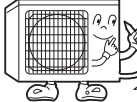
Cautions

⚠ WARNING

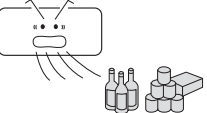
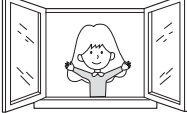
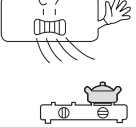
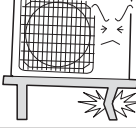
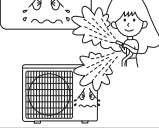
Please call Sales/Service Shop for the Installation.

Do not attempt to install the air conditioner by yourself because improper works may cause electric shock, fire, water leakage.

⚠ WARNING

When abnormality such as burnt-small found, immediately stop the operation button and contact sales shop.  OFF  STRICT ENFORCEMENT	Use an exclusive power source with a circuit breaker 	Check proper installation of the drainage securely  STRICT ENFORCEMENT
Connect power supply cord to the outlet completely  STRICT ENFORCEMENT	Use the proper voltage  STRICT ENFORCEMENT	1. Do not use power supply cord extended or connected in halfway 2. Do not install in the place where there is any possibility of inflammable gas leakage around the unit. 3. Do not get the unit exposed to vapor or oil steam.  PROHIBITION
Do not use power supply cord in a bundle.  PROHIBITION	Take care not to damage the power supply cord.  PROHIBITION	Do not insert objects into the air inlet or outlet.  PROHIBITION
Do not start or stop the operation by disconnecting the power supply cord and so on.  PROHIBITION	Do not channel the air flow directly at people, especially at infants or the aged.  PROHIBITION	Do not try to repair or reconstruct by yourself.  Connect the earth cable.  earthing

⚠ CAUTION

Do not use for the purpose of storage of food, art work, precise equipment, breeding, or cultivation.  PROHIBITION	Take fresh air occasionally especially when gas appliance is running at the same time.  STRICT ENFORCEMENT	Do not operate the switch with wet hand.  PROHIBITION
Do not install the unit near a fireplace or other heating apparatus.  PROHIBITION	Check good condition of the installation stand  PROHIBITION	Do not pour water onto the unit for cleaning  PROHIBITION
Do not place animals or plants in the direct path of the air flow  PROHIBITION	Do not place any objects on or climb on the unit.  PROHIBITION	Do not place flower vase or water containers on the top of the unit.  PROHIBITION

Trouble shooting

Before asking for service, check the following first.

	Phenomenon	Cause or check points
Normal Performance inspection	The system does not restart immediately. 	- When unit is stopped, it won't restart immediately until 3 minutes have elapsed to protect the system. - When the electric plug is pulled out and reinserted, the protection circuit will work for 3 minutes to protect the air conditioner.
	Noise is heard 	- During unit operation or at stop, a swishing or gurgling noise may be heard. At first 2-3 minutes after unit start, this noise is more noticeable. (This noise is generated by refrigerant flowing in the system.) - During unit operation, a cracking noise may be heard. This noise is generated by the casing expanding or shrinking because of temperature changes. - Should there be a big noise from air flow in unit operation, air filter may be too dirty.
	Smells are generated.	This is because the system circulates smells from the interior air such as the smell of furniture, paint, cigarettes.
	Mist or steam are blown out. 	During COOL or DRY operation, indoor unit may blow out mist. This is due to the sudden cooling of indoor air.
	In dry mode, fan speed can't be changed.	In DRY mode, when room temperature becomes lower than temp. setting+2 °C, unit will run intermittently at LOW speed regardless of FAN setting.
Multiple check		- Is power plug inserted? - Is there a power failure? - Is fuse blownout?
	Poor cooling 	- Is the air filter dirty? Normally it should be cleaned every 15 days. - Are there any obstacles before inlet and outlet? - Is temperature set correctly? - Are there some doors or windows left open? - Is there any direct sunlight through the window during the cooling operation? (Use curtain) - Are there too much heat sources or too many people in the room during cooling operation?

Cautions

- Do not obstruct or cover the ventilation grille of the air conditioner. Do not put fingers or any other things into the inlet/outlet and swing louver.
- Do not allow children to play with the air conditioner. In no case should children be allowed to sit on the outdoor unit.

Specifications

- The refrigerating circuit is leak-proof.

The machine is adaptive in following situation

1. Applicable ambient temperature range:

Cooling	Indoor	Maximum: D.B/W.B 32°C/23°C Minimum: D.B/W.B 21°C/15°C
	Outdoor	Maximum: D.B/W.B 43°C/26°C Minimum: D.B 18°C
Heating	Indoor	Maximum: D.B 27°C Minimum: D.B 0°C
	Outdoor	Maximum: D.B/W.B 24°C/18°C Minimum: D.B/W.B -7°C/-8°C
	Outdoor (INVERTER)	Maximum: D.B/W.B 24°C/18°C Minimum: D.B -15°C

- If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person.
- If the fuse of indoor unit on PC board is broken, please change it with the type of T. 3.15A/ 250V. If the fuse of outdoor unit is broken, change it with the type of T. 25A/250V
- The wiring method should be in line with the local wiring standard.
- After installation, the power plug should be easily reached.
- The waste battery should be disposed properly.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.
- Please employ the proper power plug, which fit into the power supply cord.
- A breaker should be incorporated into fixed wiring. The breaker should be all-pole switch and the distance between its two contacts should be not less than 3mm.
- The power plug and connecting cable must have acquired the local attestation.
- In order to protect the units, please turn off the A/C first, and at least 30 seconds later, cutting off the power.
- Please don't insert any sensor on 3-way stop valve pipe fitting.